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April 6, 2005

From: Kevin P. Radigan, Esq. (e-mail: kpr@hrfmlaw.com)

Fax No.: (571) 273-8300 No. of Pages: 13 (Including this Page)

To: Examiner **Behrooz M. Senfi**
 Mail Stop Amendment
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Re: U.S. Patent Application Serial No.: **10/080,745**

Applicants: Ngai et al.

Title: PROGRAMMABLE HORIZONTAL FILTER WITH NOISE
 REDUCTION AND IMAGE SCALING FOR VIDEO
 ENCODING SYSTEM

Attorney Docket No.: END920010078US1

Message: Please find attached hereto the following documents:

1. Amendment Transmittal Letter (1 page) (in duplicate);
2. Supplemental Response to Office Action (10 pages).

KPR/sj
 Attachments

BEST AVAILABLE COPY**AMENDMENT TRANSMITTAL LETTER (Large Entity)**

Applicant(s): Ngai et al.

Docket No.

END920010078

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/080,745	02/22/2002	Behrooz M. Senfi	30400	2613	2972

Invention: **PROGRAMMABLE HORIZONTAL FILTER WITH NOISE REDUCTION AND IMAGE SCALING FOR VIDEO ENCODING SYSTEM****RECEIVED****CENTRAL FAX CENTER**COMMISSIONER FOR PATENTS:

APR 06 2005

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PRV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	21	32	0	x \$50.00	\$0.00
INDEP. CLAIMS	3	6	0	x \$200.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00

- No additional fee is required for amendment.
- Please charge Deposit Account No. _____ in the amount of _____.
- A check in the amount of _____ to cover the filing fee is enclosed.
- The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 09-0457 (IBM)
- Any additional filing fees required under 37 C.F.R. 1.16.
 - Any patent application processing fees under 37 CFR 1.17.
- Payment by credit card. Form PTO-2038.

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Dated: April 06, 2005

Kevin P. Radigan, Esq.
Registration No.: 31,789

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CC:

I hereby certify that this correspondence is being transmitted by facsimile transmission to: Examiner Behrooz M. Senfi, Group Art Unit 2613, United States Patent and Trademark Office, Alexandria, VA 22313-1450, Facsimile No. 703-872-9314, on April 06, 2005. 571-213-X500

Kevin P. Radigan

AMENDMENT TRANSMITTAL LETTER (Large Entity)

Applicant(s): Ngai et al.

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CLAIMS AS AMENDED

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TOTAL CLAIMS	21	32 =	0	x \$50.00	\$0.00
INDEP. CLAIMS	3	6 =	0	x \$200.00	\$0.00
Multiple Dependent Claims (check if applicable)					\$0.00
					TOTAL ADDITIONAL FEE FOR THIS AMENDMENT
					\$0.00

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Kevin P. Radigan
Signature

Dated: April 06, 2005

Kevin P. Radigan, Esq.
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APR 06 2005

Applicants: Ngai et al.

Confirmation No.: 2972

Serial No.: 10/080,745

Group Art Unit: 2613

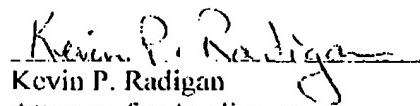
Filed: 02/22/2002

Examiner: Behrooz M. Senfi

Title: PROGRAMMABLE HORIZONTAL FILTER WITH NOISE REDUCTION AND IMAGE SCALING FOR VIDEO ENCODING SYSTEM

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being sent via facsimile transmission to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450 ATTN: Examiner **Behrooz M. Senfi**, at fax number (703) 872-9314 on April 06, 2005.



Kevin P. Radigan
Attorney for Applicants
Registration No.: 31,789

Date of Signature: April 06, 2005.

To: Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Supplemental Response to Office Action

Dear Sir:

This paper is filed responsive to the Office Action mailed December 1, 2004, in connection with the above-designated U.S. patent application and supplemental to the Response to Office Action mailed February 17, 2005. This Supplemental Response to Office Action replaces the prior Response to Office Action mailed February 17, 2005, and is submitted to further prosecution of the present application. Allowance of the application is respectfully requested in view of the Amendments and Remarks set forth below.

Amendments to the Claims begin on page 2 of this paper.

Remarks begin on page 7 of this paper.

END920010078

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